



Minimum evaporating temp. with:
 ——— 25°C Suction Gas Return
 - - - 10K Suction Superheat

Suction Return Temperature 20.0°C

Evaporating Temperature °C

Liquid subcooling 0.0K

Cond °C	Capacity kW								
	-25	-20	-15	-10	-5	0	5	7	10
10	11.85	14.20	17.00	20.40					
20	10.35	12.55	15.20	18.30	21.90	26.00			
30	9.08	11.15	13.50	16.30	19.55	23.20	27.40	29.30	32.20
35	8.50	10.45	12.70	15.30	18.35	21.80	25.70	27.50	30.20
40	7.92	9.74	11.85	14.30	17.10	20.30	24.00	25.60	28.10
45		9.03	11.00	13.25	15.80	18.75	22.10	23.60	26.00
50		8.28	10.05	12.10	14.45	17.10	20.20	21.50	23.70
55			9.06	10.90	12.95	15.35	18.15	19.35	21.30
60				9.56	11.40	13.50	15.95	17.00	18.70
	Power Input kW								
	-25	-20	-15	-10	-5	0	5	7	10
10	2.95	3.06	3.16	3.26					
20	3.38	3.53	3.67	3.80	3.91	3.99			
30	3.95	4.15	4.33	4.50	4.64	4.76	4.85	4.88	4.90
35	4.30	4.52	4.72	4.91	5.07	5.21	5.31	5.34	5.38
40	4.69	4.93	5.16	5.36	5.54	5.70	5.82	5.86	5.90
45		5.38	5.63	5.86	6.06	6.23	6.37	6.41	6.47
50		5.88	6.15	6.40	6.62	6.81	6.96	7.01	7.08
55			6.71	6.98	7.22	7.43	7.60	7.66	7.74
60				7.61	7.87	8.10	8.29	8.36	8.44
	Current 400V, A								
	-25	-20	-15	-10	-5	0	5	7	10
10	7.33	7.38	7.44	7.51					
20	7.60	7.71	7.81	7.92	8.02	8.12			
30	8.08	8.26	8.43	8.58	8.72	8.85	8.96	9.00	9.07
35	8.40	8.63	8.83	9.02	9.18	9.32	9.45	9.49	9.56
40	8.79	9.06	9.30	9.52	9.70	9.87	10.01	10.06	10.13
45		9.55	9.84	10.09	10.30	10.49	10.65	10.71	10.78
50		10.11	10.44	10.72	10.98	11.19	11.37	11.43	11.52
55			11.10	11.43	11.72	11.97	12.17	12.24	12.34
60				12.22	12.54	12.82	13.05	13.13	13.24
	Mass Flow g/s								
	-25	-20	-15	-10	-5	0	5	7	10
10	67.00	80.50	97.00	117.00					
20	63.70	78.00	94.50	115.00	138.50	166.00			
30	61.70	76.00	93.00	113.00	137.00	165.00	197.00	212.00	236.00
35	61.00	75.50	92.50	112.50	136.00	164.00	196.00	211.00	235.00
40	60.40	74.80	92.00	111.50	135.00	163.00	195.00	210.00	233.00
45		74.20	91.00	110.50	134.00	161.00	193.00	208.00	232.00
50		73.40	90.00	109.50	132.00	159.00	191.00	206.00	230.00
55			88.50	107.50	130.00	157.00	189.00	203.00	227.00
60				105.00	127.00	153.00	185.00	200.00	224.00

Copeland Scroll - Compressor - Refrigeration - Digital

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	21.4
Length/Width, mm	246/257
Height, mm	481
Net Weight, kg	43.1
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	1.89
Base mounting (hole dia), mm	190 x 190 (19.0)
Sound Pressure @ 1m (MT), dBA	68
Sound Power (MT), dBA	79
Sound Power with Sound Shell (MT), dBA	69
High Side PS, bar(g)	29.5
Low Side PS, bar(g)	20

COMPRESSOR ELECTRICAL DATA (380/420V - 3~ - 50Hz)

Maximum Operating Current, A	15.9
Locked Rotor Current, A	102
Winding Resistance, ohm	1.74/1.74/0 (T1-T2/T2-T3/T3-T1)
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermistor
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	90 W External
Enclosure Class	IP66 With Molded Plug
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10 dBA)
Rotalock valves	suction and discharge

MOTOR OPTIONS

<i>Power Supply</i>	<i>Nominal Voltage</i>	<i>Motor Code</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
380-420 V/3~/50H	400	TFD		Y	1.00
200-220 V/3~/50H	200	TF5		Y	2.09
460 V/3~/60Hz	460	TFD		Y	1.04
200-230 V/3~/60H	230	TF5		Y	2.09
575 V/3~/60Hz	575	TFE		Y	0.80
380 V/3~/60Hz	380	TF7		Y	1.26